



Water-Data Report 2007

12465400 WILSON CREEK BELOW CORBETT DRAW, NEAR ALMIRA, WA

Upper Columbia Basin
Upper Crab Subbasin

LOCATION.--Lat 47°39'47", long 118°55'46" referenced to North American Datum of 1927, in SW ¼ NW ¼ sec.16, T.25 N., R.31 E., Lincoln County, WA, Hydrologic Unit 17020013, on left bank, 65 feet downstream from Corbett Draw, 3.5 mi south of Almira, and at mile 22.9.

DRAINAGE AREA.--327 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--March 1969 to June 1971, 1972 to 1979 (annual peaks only), April 1991 to September 1994, October 2002 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,670 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No regulation. Suspended sediment data are available from Washington Water Science Center office.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--9 years (water years 1970, 1992-94, 2003-2007), 7.38 ft³/s, 5,350 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,220 ft³/s, Jan. 16, 1973, gage height, 7.68 ft; minimum discharge, no flow often occurs during winter freeze-up and during late summer.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,110 ft³/s, Feb. 11, gage height, 6.92 ft, from inside high water mark and rating extention above 850 ft³/s; minimum discharge, no flow for several days in July.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.7	0.61	e0.92	0.84	e0.54	15	19	12	7.0	1.6	0.05	1.9
2	1.4	0.71	e0.94	5.6	e0.52	14	18	12	6.7	1.4	0.06	1.9
3	1.1	0.77	e0.98	27	e0.60	14	19	13	6.4	1.3	0.06	1.9
4	1.1	0.77	e0.98	4.9	e0.66	13	18	14	7.0	1.2	0.07	1.8
5	1.1	0.79	e1.0	1.2	e1.0	125	18	16	9.4	1.4	0.07	1.8
6	0.88	0.88	e1.1	1.1	e2.0	205	18	16	9.3	2.0	0.10	1.8
7	0.70	0.79	1.1	1.1	e3.0	303	18	14	8.7	2.5	0.10	1.7
8	0.74	0.77	1.1	9.5	e7.0	182	17	11	8.6	2.6	1.1	1.7
9	0.73	0.79	1.1	1.4	e94	76	17	10	8.5	2.5	1.8	1.7
10	0.68	0.91	1.00	1.1	e670	47	17	11	8.4	1.8	1.7	1.6
11	0.68	0.91	1.4	e0.90	e1,250	37	17	11	8.4	1.8	1.6	1.5
12	0.74	0.88	1.0	e0.80	427	30	16	10	8.5	1.8	1.6	1.5
13	0.72	1.0	1.3	e0.70	80	25	15	11	8.1	1.7	1.6	1.5
14	0.68	0.93	1.2	e0.50	20	25	16	10	7.7	1.6	1.7	1.5
15	0.69	0.88	1.2	e0.54	6.5	24	17	9.0	5.1	1.9	1.9	1.5
16	0.78	0.88	0.99	e0.60	29	23	16	10	3.9	1.7	1.8	1.5
17	0.70	0.88	0.99	e0.64	35	22	15	9.3	3.8	0.38	1.9	1.5
18	0.67	0.98	0.93	e0.70	55	20	15	8.7	3.6	1.0	2.1	1.5
19	0.59	0.99	0.88	e0.66	27	20	15	9.1	3.3	0.96	2.2	1.5
20	0.53	0.99	0.88	e0.58	16	21	15	11	2.7	0.36	2.4	1.5
21	0.51	0.99	0.93	e0.60	13	21	15	10	2.2	0.46	2.1	1.2
22	0.51	1.1	0.88	e0.66	13	21	15	7.7	2.5	0.62	2.1	1.2
23	0.51	1.0	0.88	e0.60	13	21	15	7.6	2.2	0.39	2.0	0.96
24	0.54	0.99	0.88	e0.66	14	21	14	8.7	2.2	0.07	2.0	0.77
25	0.59	0.99	0.88	e0.66	15	21	13	7.8	2.4	0.08	1.9	0.77
26	0.59	e0.98	1.1	e0.60	15	21	13	8.8	2.3	0.40	2.0	0.65
27	0.59	e0.94	1.2	e0.60	16	21	12	9.3	2.3	0.54	2.1	0.62
28	0.55	e0.90	0.92	e0.60	16	20	12	8.4	1.7	0.17	2.1	0.73
29	0.59	e0.90	0.86	e0.60	---	20	12	7.4	1.8	0.08	2.1	0.74
30	0.58	e0.92	0.82	e0.56	---	20	12	7.2	1.6	0.10	2.1	0.86
31	0.59	---	0.82	e0.56	---	19	---	6.9	---	0.04	2.1	---
Total	23.06	26.82	31.16	67.06	2,839.82	1,467	469	317.9	156.3	34.45	46.51	41.30
Mean	0.74	0.89	1.01	2.16	101	47.3	15.6	10.3	5.21	1.11	1.50	1.38
Max	1.7	1.1	1.4	27	1,250	303	19	16	9.4	2.6	2.4	1.9
Min	0.51	0.61	0.82	0.50	0.52	13	12	6.9	1.6	0.04	0.05	0.62
Ac-ft	46	53	62	133	5,630	2,910	930	631	310	68	92	82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2007, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.11	1.50	2.04	10.1	30.2	44.6	19.2	8.16	4.28	7.67	1.56	1.02
Max	2.05	3.62	6.12	39.9	157	254	82.9	24.7	8.98	64.0	4.32	2.16
(WY)	(1994)	(1971)	(1994)	(1970)	(1970)	(1969)	(1969)	(1969)	(1969)	(1993)	(1993)	(2006)
Min	0.12	0.26	0.18	0.33	0.51	0.62	0.23	0.24	0.17	0.07	0.03	0.11
(WY)	(2006)	(2006)	(2006)	(1993)	(1993)	(1992)	(2005)	(1992)	(2005)	(2005)	(2005)	(2005)

12465400 WILSON CREEK BELOW CORBETT DRAW, NEAR ALMIRA, WA—Continued**SUMMARY STATISTICS**

	Calendar Year 2006	Water Year 2007	Water Years 1969 - 2007
Annual total	1,237.47	5,520.38	
Annual mean	3.39	15.1	7.38
Highest annual mean			26.8
Lowest annual mean			0.50
Highest daily mean	24	Feb 28	1,250 Feb 11 1,400 Feb 16, 1970
Lowest daily mean	0.00	Aug 24	0.04 Jul 31 0.00 Jul 27, 2004
Annual seven-day minimum	0.00	Aug 24	0.06 Jul 30 0.00 Jul 16, 2005
Annual runoff (ac-ft)	2,450	10,950	5,350
10 percent exceeds	9.6	20	11
50 percent exceeds	1.1	1.7	1.1
90 percent exceeds	0.48	0.59	0.24

